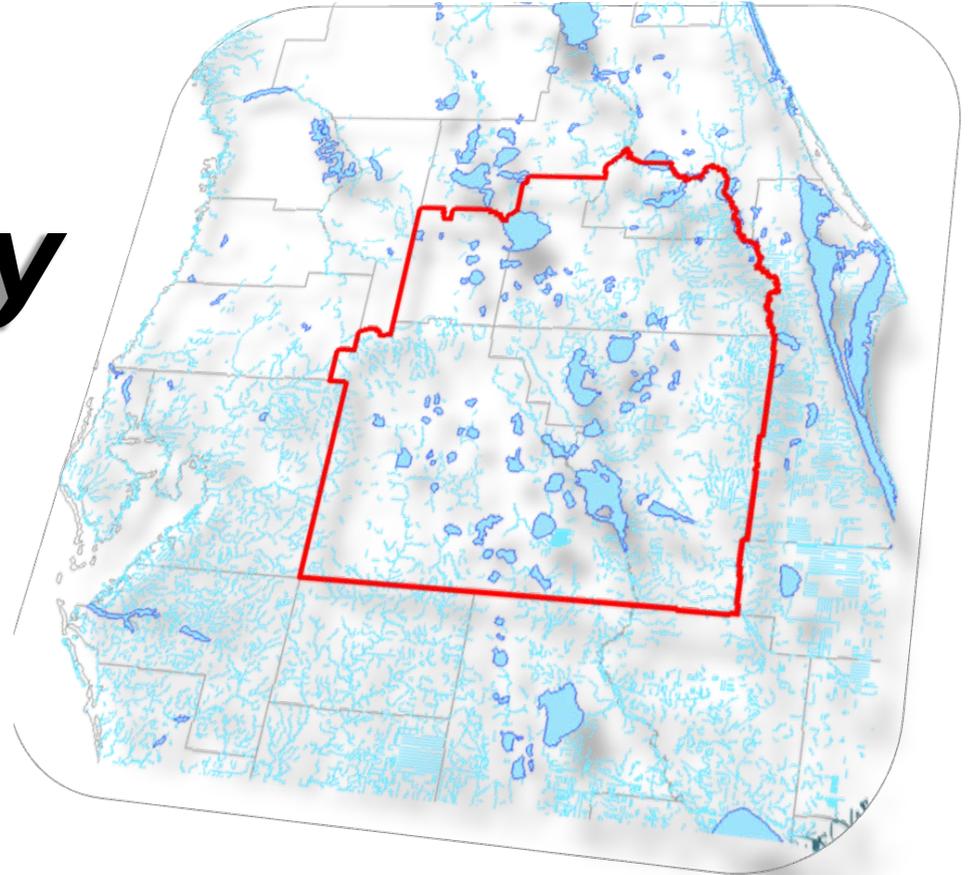


CFWI Steering Committee Meeting
October 24, 2014

Regulatory Team Update



Lennart J. Lindahl, P.E.
Regulatory Team Leader

Regulatory Topics

- **Following Dec 2013 FDEP Guidance Memo**
 - WMD coordination on pending applications
 - Review of permit duration
 - Water conservation criteria
- **Reporting consumptive use data**
 - Updated list of pending consumptive use permit applications
 - Separated by District
 - Requested permit duration
 - Identifies requests for new quantities by source
 - Available on www.cfwiwater.com

Regulatory Topics

- **Topics under development:**
 - Success principles
 - Water use per capita data collection
 - Caution area example review
 - Public interest
 - Conjunctive use
 - Permitting thresholds / domestic self-supply



Permitting Thresholds and Domestic Self-Supply



September Steering Committee

- Discussion regarding the regulation of domestic self-supply
- Request for clarification on well construction and consumptive use permitting

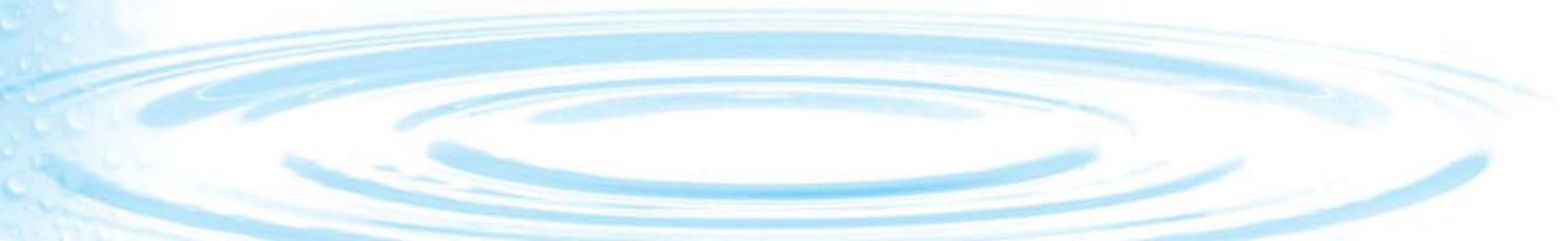


Well Construction

- **“The hole in the ground”**
 - **Authorized by Part III of Chapter 373, Florida Statutes (F.S.)**
 - **Legislature recognized that the practice of water well construction, repair, and abandonment is potentially threatening to the health of the public and to the environment.**
 - **FDEP authorizes water management districts, delegated local governments, or county health departments to implement the program.**
 - **Local governments may not impose additional or duplicate requirements.**

Consumptive Use Permitting

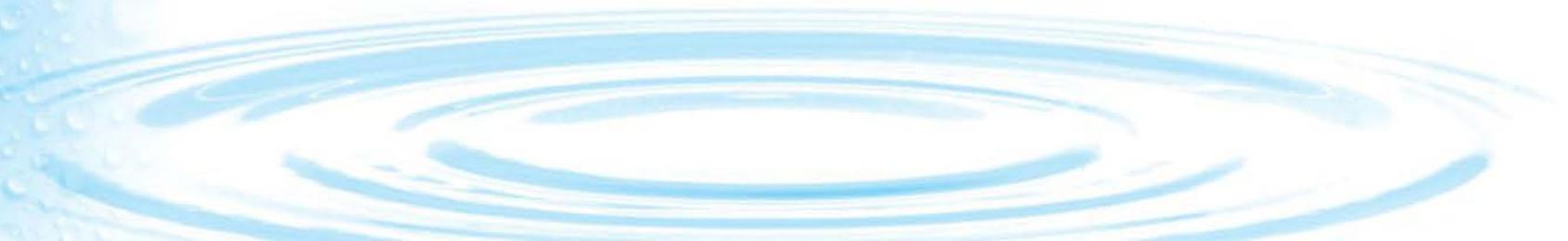
- **“Water out of the hole”**
 - **Authorized by Part II of Chapter 373, Florida Statutes (F.S.)**
 - **Legislature required implementation of a program to issue consumptive use permits**
 - **Part II of the Florida Water Resources Act of 1972**
 - **Provides the exclusive authority for requiring permits for the consumptive use of water**
 - **Preempts the regulation of the consumptive use of water (other than Power Plant Siting)**



Consumptive Use Permitting

■ Statutory Considerations

- Section 373.219, F.S. states that no permit shall be required for domestic consumption of water by individual users.
- Section 373.118, F.S. allows for establishing a general permit system.
- Sections 373.229 and 373.239, F.S., allows the governing board to consider applications for proposed uses that are less than 100,000 gallons per day (gpd) without a hearing.



Consumptive Use Permitting

■ Exemptions

- Statutory requirements
- District-specific criteria

■ General Permits

- Statutory direction
- Generally less than 100,000 gpd
- District-specific criteria

■ Individual Permits

- Required for consumptive uses that do not otherwise meet a lower permitting category

What is 100K per day?

- \approx 30 acres of landscape or flood-irrigated tomatoes
- 665 people with a 150 per capita use rate
- \approx 40 acres of micro-drip citrus
- \approx 1,000,000 chickens



Domestic Self-Supply (DSS)

- **Draft RWSP definition of DSS:**

The domestic self-supply and small utility (DSS) category consists of two subcategories:

- 1) Small utilities that have permitted or annual average water use thresholds below 0.1 mgd
- 2) DSS (individual private homes or businesses that are not utility customers that receive their water from wells that do not require a consumptive use permit)

CFWI Domestic Self-Supply Population Projections

County	Population Projections						2010-2035 Change	2010-2035 Percent Change
	2010	2015	2020	2025	2030	2035		
Lake	13,486	15,950	17,789	20,445	23,190	25,080	11,594	86%
Orange	18,858	16,792	14,997	13,554	12,157	10,414	-8,444	-45%
Osceola	66,487	57,292	54,082	49,339	42,062	35,249	-31,238	-47%
Polk	54,751	62,518	69,776	76,348	83,773	91,940	37,189	68%
Seminole	11,931	12,849	15,084	24,642	37,230	50,667	38,736	325%
Total	165,513	165,401	171,728	184,328	198,412	213,350	47,837	29%
Percent of Total CFWI	6.4%	5.8%	5.5%	5.4%	5.4%	5.5%	3.6%	

Modified from Table 3, CFWI Draft RWSP

Note: mgd = million gallons per day

CFWI Domestic Self-Supply Water Demand Projections

County	Average Water Demand Projections						2010-2035 (5-in-10) Change	2010-2035 (5-in-10) Percent Change
	2010	2015	2020	2025	2030	2035		
Lake	1.75	2.09	2.34	2.71	3.09	3.35	1.6	91%
Orange	2.37	2.15	1.96	1.80	1.64	1.46	-0.91	-38%
Osceola	8.80	7.56	7.13	6.50	5.55	4.66	-4.14	-47%
Polk	6.29	7.16	7.84	8.43	9.10	9.83	3.54	56%
Seminole	1.15	1.26	1.48	2.48	3.75	5.12	3.97	345%
Total	20.36	20.22	20.75	21.92	23.13	24.42	4.06	20%

Modified from Table 4, CFWI Draft RWSP

Note: mgd = million gallons per day

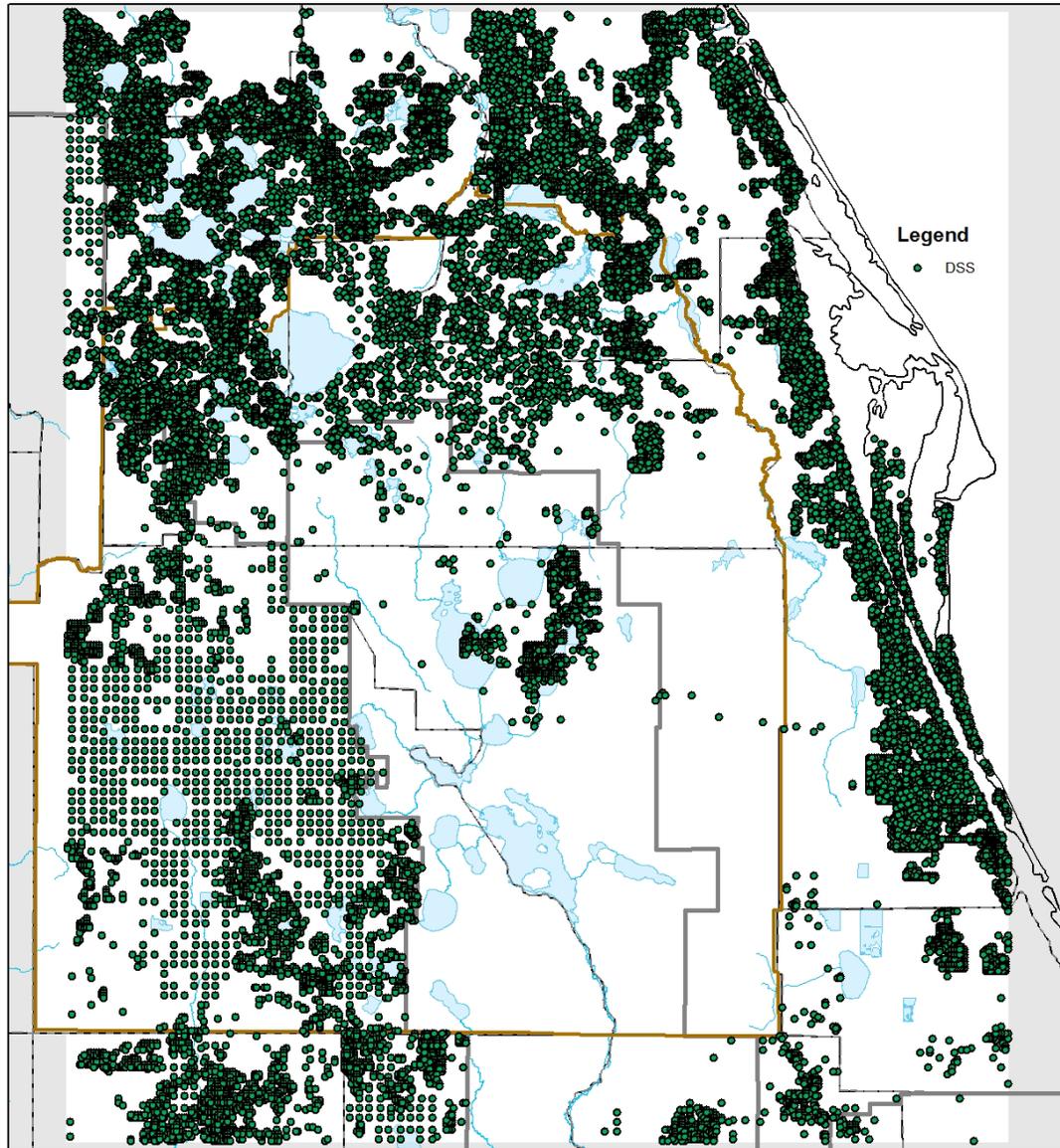
CFWI Summary of Projected Water Demands

Category	Average Water Demand Projections					
	2010		2035		2010-2035 Change	2010-2035 Percent of Total Change
	MGD	Percent of Total	MGD	Percent of Total		
Public Supply	435.15	56.4%	653.27	60.3%	218.12	70.2%
DSS	20.36	2.6%	24.42	2.3%	4.06	1.3%
Agriculture	185.24	24.0%	214.84	19.8%	29.6	9.5%
C/I and M/D	74.05	9.6%	95.85	8.9%	21.8	7.0%
Power	17.20	2.2%	22.41	2.1%	5.21	1.7%
L/R/A	40.21	5.2%	72.18	6.7%	31.97	10.3%
Total	772.21		1,082.97		310.76	

Modified from Table 11, CFWI Draft RWSP
 Note: mgd = million gallons per day

DSS = Domestic Self-Supply
 C/I = Commercial / Industrial
 M/D = Mining / Dewatering
 L/R/A = Landscape / Recreational / Aesthetic

CFWI DSS Distribution



Next Steps

Options for further study based on input from the Steering Committee:

- Research / review technical aspects of current programs
 - Information exchange with well construction delegates
 - Exemptions from permitting
- Economic issues
- Statutory and rule requirements

Regulatory Team

Upcoming

- Continued progress on priority topics
- Coordination with Solutions Planning Team
- Regulatory Review of RWSP Projects
- Draft content for Strategies Document



Thank you.

